



PATENT
Attorney Docket No. 189405

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

HAGENBUCH et al.

Application No. 09/333,379

Filed: June 15, 1999

For: PROCESS FOR THREE-DIMENSIONAL
MODELING AND DESIGN OF OFF-
HIGHWAY DUMP BODIES

Art Unit: 3612

Examiner: Unassigned

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GROUP 3600

AMENDMENTS TO SPECIFICATION, CLAIMS, AND ABSTRACT
MADE VIA PRELIMINARY AMENDMENT

Amendments to existing claims:

1. (Amended) A body of a vehicle for hauling material, the body made by the following process:

- (a) determining [the] a desired location for a load center of gravity [load distribution of weight] on a chassis of the haulage vehicle;
- (b) determining [the] a desired volumetric capacity for the body;
- (c) establishing an initial [a] line for a floor[,] of the body, an initial [a] line for a front wall of the body and an initial inside body width;
- (d) developing a three dimensional volumetric model of a load to be [the hauled material] carried in the body defined by the initial floor line, the initial front wall line and the initial inside body width using data collected from an anticipated point of use with the three dimensional volumetric model [of the hauled material] having a [distribution of weight on the chassis] volume and a volumetric model center of gravity located on the chassis;
- (e) adjusting a set of design parameters of the body until the [three dimensional model distribution of weight on the chassis is substantially similar to the desired distribution of weight on the chassis and the volumetric capacity;] load model center of gravity is located proximate the desired location for the load center of gravity on the chassis from step (a) and the volume of the three dimensional volumetric model is substantially similar to the desired volumetric capacity from step (b); and
- (f) producing the body in accordance with the set of design parameters.

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14. (Amended) The invention according to claim 10 wherein the step of developing the three dimensional volumetric model of a load to be carried in the body [the hauled material] includes modeling the corner voids of the hauled material.

18. (Amended) The invention according to claim 1 wherein the step of developing the three dimensional volumetric model of a load to be carried in the body [the hauled material] includes modeling the corner voids of the hauled material.